



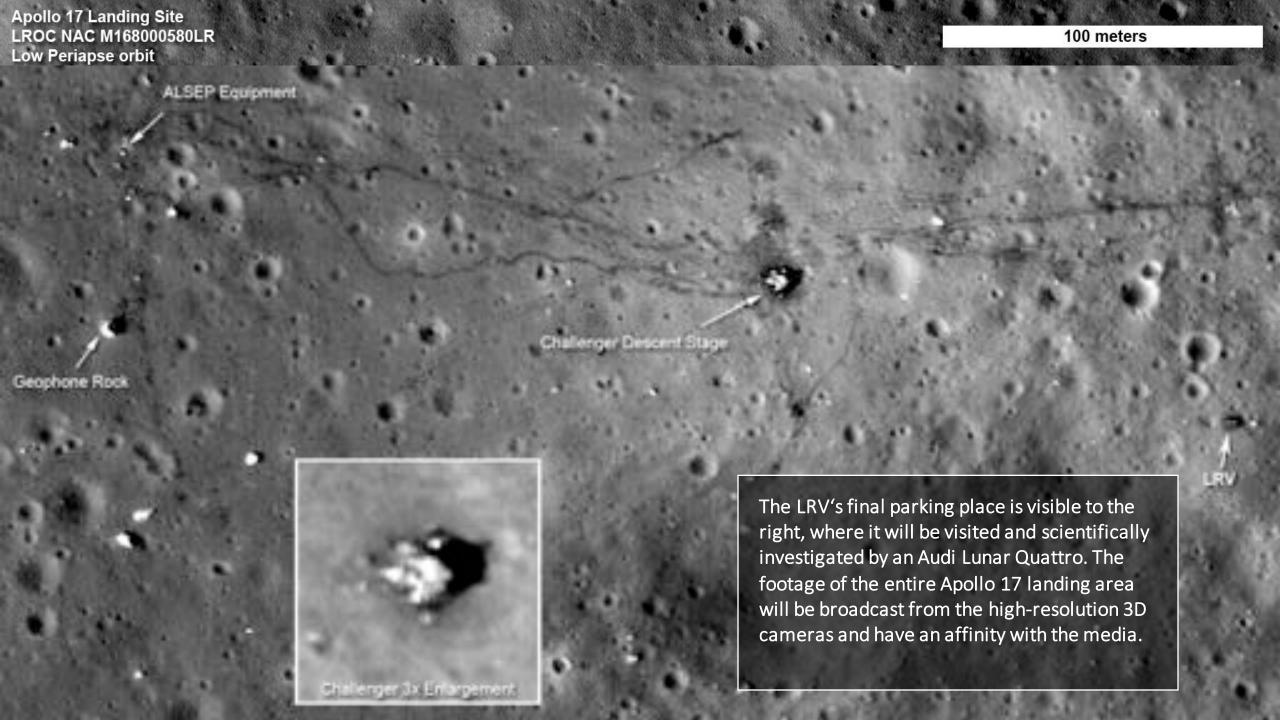
NEXT STOP: APOLLO 17

Re-visiting the Taurus-Littrow Valley

Continuing the Apollo Legacy









AUDI LUNAR QUATTRO

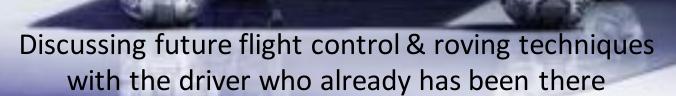
Soon to visit his bigger brother, the Apollo-17 Lunar Roving Vehicle driven by astronaut Gene Cernan 44 years ago





Apollo-17 Commander Gene Cernan with PTS
CEO Robert Böhme and Karsten Becker
presenting the Audi Lunar Quattro
at the Detroit Motorshow

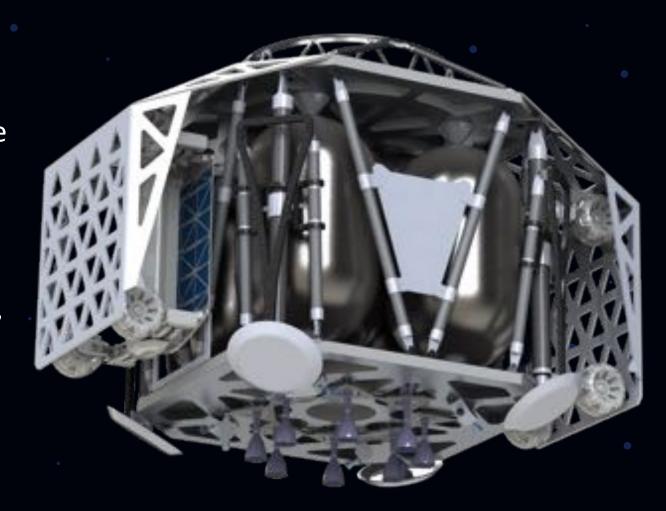






ALINA – THE AUTONOMOUS LANDING AND NAVIGATION MODULE

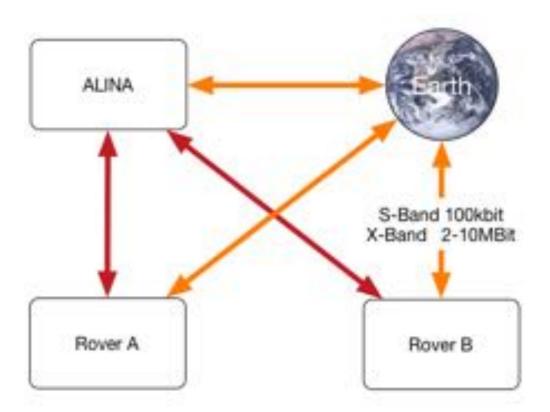
- First european autonomous softlanding vehicle; delivering up to 100kg of payload to the lunar surface
- Modular design compatible with a range of commercial low-cost satellite launch vehicles from the US, Europe and world-wide.
- Capable of delivering technology to near earth destinations such as the Moon and more...



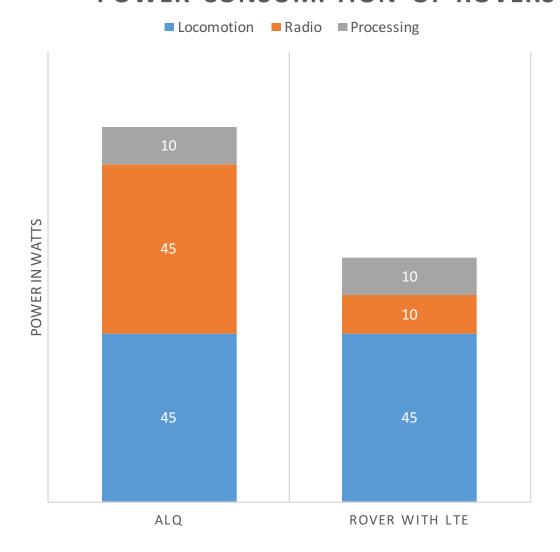








POWER CONSUMPTION OF ROVERS





MISSION-1: RETURN TO APOLLO-17







Commander Gene Cernan



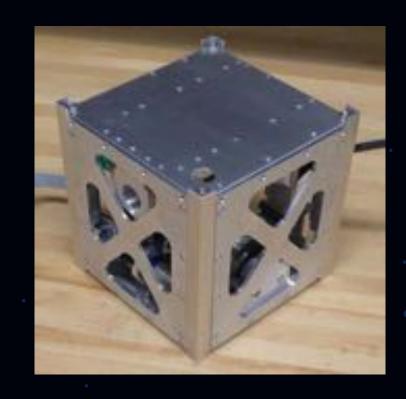


Dr. Jack Schmitt



Gedex Inc. - VEGA Gravimeter

- The VEGA Instrument is a traverse gravimeter following the developments of the original Apollo mission TGE (Traverse Gravimeter Experiment)
- It is highly mass and size optimized to fit into a cubesat sized unit with 2.1 kg mass and a power consumption of less than 5 watts
- The core objective is to demonstrate the technology and augment the Apollo 17 valley measurements as conducted by Dr. Harrison Schmidt in 1972







Many PTScientists and engineers are working with us on making our first mission come true



What changes with Commercial Space? Why will it succeed?

- Government budgets stay limited -> So other massive budgets in industry and society are slowly being tapped to steadily develop new capabilities or make up for short-comings in government projects.
- This New Space industry can react and work super-fast no Big Ship, little waste, efficiency.
- Today`s accumulated space expertise & Open Source technologies have made it possible for <u>world class</u> <u>space teams to form & collaborate</u> outside of the traditional space industry.
- Our Earth's fascinating *Moon generates volunteers* (in every possible aspect)
- and brings out the best in us.

If such a New Space team manages to stay small enough and highly motivated with the right combination of experienced and rookie professionals – "anything is possible". New Space can become one reliable pillar in much larger efforts, like an international lunar exploration effort. Dream Teams are forming around the globe.

The Combination of all aspects is Game Changing:
Ability to build vital lunar infrastructure
AND receive financing
both inside and outside the government frameworks.

In our humble opinion:
One Vital Pillar and Prerequisite to Succeed in a
Permanent Presence on the Moon

Ability to think both inside and outside the box of accepted standards and customs

Back to the Moon via a Commercial Approach







